

HI-Q

1980
Jan

LAKEHEAD AMATEUR RADIO CLUB BULLETIN

MEETING JANUARY 10 8 P.M.

The next regular meeting will be held at the E.M.O Building this January 10, at 8 p.m.

If you heard some hams stumbling over their own calls this past weekend, they were probably the active ones using the VX prefix for the past few months. Quite a few of the Thunder Bay hams made a very concentrated effort to get on the HF bands in groups for the last few weeks and worked hundreds of stations every day. Over the holidays there were groups on 10 meters during the day and on 20 during the evening. The group created excitement on the bands. Some U.S. amateurs stated it was difficult to tune past more than 10 kcs on 20 some nights without getting a VX station. Knowing that there were a lot of Thunder Bay hams on the air at one time gave the hams in the U.S. the initiative to get all 5 required VX contacts and the scroll. A lot of comments were heard on the 'great bunch of guys up in Thunder Bay' and also the good comments on our operating. There will be some delay before all of the scrolls are mailed out as a lot of applications will be in the mail now. We will have a more complete report on this in the future issues of HI-Q.

OOPS....seems that in the hurry to get the stencils to the publisher on time last month, we forgot to include page one of the article on emergency contact numbers. It is in this issue.

This past year if you total all pages of HI-Q, there were 99 pages printed, not counting the back covers. This is a lot of information and we need more every month. The deadline for the February issue is February 1.

CLUB STATION ~~VE3~~ FW

EMERGENCY COMMUNICATIONS CONTACTS

The following article is reprinted by permission of The Radio Society of Ontario journal, The Ontario Amateur.

How does the individual amateur respond should he be called upon for assistance?

To report an aircraft or marine emergency contact the Canadian Forces search and rescue unit at Trenton by dialing 0 for operator and say " This is an emergency. Please connect me with the Search and Rescue unit at 613-392-2811 Ext. 3870. " Such calls are paid for by the Canadian Forces, Make your information concise and accurate.

The individual amateur radio operator can assist by joining local ARES, club emergency groups or by participating in one of the many nets conducted throughout the province. By continuing regular practice and training sessions the Amateur of Ontario will be even better prepared to maintain his services to others at an extremely efficient level, the various municipal, provincial and federal authorities have come to expect of us.

If you become involved with traffic having to do with an international emergency such as an earthquake in a foreign country, the government contact point for traffic directed to or from it or concerning the welfare of Canadian citizens in the disaster area, is the Department of External Affairs in Ottawa. A collect call to 613-996-8885 should reach the Departments Duty Officer.

If your station is involved in this sort of traffic you must accurately log the incident and report it to your nearest D.O.C. office.

Contacts and Telephone Numbers

Dept. of National Defense Rescue Centre.	Ontario S.C.M.
TRENTON 613-392-2811 Ext. 3870	Larry Thivierge VE3GT 613-432-5967
Dept. of External Affairs (VE3MEA)	Ontario S.T.M.
OTTAWA 613-996-8885	Noreen Nimmons VE3GOL 416-889-9980
David B. Wilson. off. 613-992-7154 res. 613-234-5555	Comsont net manager Rowland Beardow VE3AML 519--542-3658
L.A. Petch VE2SD	Ontars net mgr.
HULL, P.Q. 819-777-2315	Bruce Carveth VE3BC 416-421-8554
Ernie Tierney VE3AOX	Hospital for sick Children
OTTAWA. 613-226-4798	TORONTO, Ont.
R.S.O Communications Committee	Medical Emergency Centre
Harold J. Braun VE3DWH	0800 to 2200 416-597-1500 local 2620 or 2621
Ontario SEC	after hours call emerg. dept
Chuck Powers VE3APK	
416-827-2538	

EMERGENCY COMMUNICATIONSLes VE3-AYZ

Through the years Amateur radio operators have an impressive record of providing emergency radio communications for Municipalities and the general public.

Only effective communications can be supplied by a club or a group of amateurs who have a well organized plan.

What is required?

1. An Amateur Emergency Co-ordinator and assistants.
2. A plan for fixed and mobile operation with all amateurs aware of the full plan.
3. A call out system.
4. Routine emergency test exercises.

At the local level, a 2 meter repeater with mobile and portable stations is invaluable.

A recommendation that all mobile radio vehicles have at all times an envelope containing the following

1. A map of the city or town.
2. a map of the area.
3. Message pads, pencils and a clip board.
4. A list of phone numbers of the E.M.O. Local Police, fire, hospitals and broadcast stations.
5. A personal radio identification card for the vehicle and the Amateur Operator.

In conclusion the booklet entitled 'PUBLIC SERVICE COMMUNICATIONS' published by the Amateur Radio Public Service Corps by the A.R.R.L. will provide you with valuable information

.....VE3-AYZ

SIX METERSALIVE AND WELL IN THUNDER BAY

A letter to the editor from Jim Dunstan VE3-CI sheds some light on that 'other' amateur band that is neglected very badly here in town. The letter in part....

It may be of interest that I have had some success operating 6 meter SSB during November and December. The majority of the activity seems to be between 50.1 and 50.2 mhz. I have worked 20 - 30 U.S. stations including Alaska and Hawaii. Guam Island and a half dozen JA's were also logged. Several openings into Europe occurred working cross-band 10m-6m. Apparently there is no 6 meter assignment there.

The equipment I have been using consists of a Yaesu FTV-650B xverter using my Drake twins as 10 meter 'IF' driver. The antenna is a 4 element yagi mounted above the TA-33 at about 55 feet.

All in all it has been a very enjoyable experience; one that is new for me and I think well worth the effort. I am interested to know if anyone else in Thunder Bay is on 6 meters.

Jim VE3-CI

JANUARY HI - Q

ARE YOUR BEAMS, ETC. CORRODED by Rod, VE3EBY

Pure aluminium becomes affected by humidity and atmospheric moisture and the surfaces of the sheets and other aluminum manufactures will become dulled in consequence. This condition is not serious unless there has been heavy corrosion such as would arise by actual contact with water and the goods allowed to remain in a damp condition for some time. In the ordinary course of events, the dullness can be removed by polishing.

The high resistance of aluminium to corrosion is due to a natural aluminium oxide film which is integral with the parent metal. This film begins to form immediately when cut metal is exposed to the air and slowly increases in thickness until after a few days no further oxidation takes place. Prolonged exposure to a moist atmosphere causes slight corrosion resulting in a visible film which is white to grey in colour, but under normal atmospheric conditions this visible film is easily rubbed off, leaving a permanent protective film behind.

Corrosion arising out of condensation is rarely harmful to the metal itself, and can be removed by rubbing with a hand cloth and whiting. In more severe cases, steel wool or a steel wire brush is sometimes used, followed by pickling in a cleaning solution. Oil and grease can be removed by petroleum solvents or kerosene or mixtures of emulsifiers and kerosene which can be readily washed away by water after application. On the other hand cutting oils and other lubricants may result in corrosion if in contact for any length of time.

Thanks to " GROUND WAVES "
Windsor A.R.C.

* * * * *

Welcome to ED -- VE3BWR from Atikokan as an associate member.

Also to Andrew VE3JJX a newly licensed ham from Kenora, a welcome to the Northwest Ontario Net and of course to Ham radio.

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An Amateur Radio High School Net has been formed for the purpose of introducing High School and University students to each other via amateur radio. The proposed net will eventually meet on the 40 meter band at noon (1700 utc) and after 3:30 (20:30 utc). Prior to this schedule however the net will begin operation on Laurentian net frequency immediately following the laurentian net at 0015Z on 3755 KHZ.

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McGurks Law: Any improbable event that would create maximum confusion if it did occur, will occur.

Lakehead Amateur Radio Club History Project

credit Kitchener Waterloo
ARC

DECEMBER MEETING

Following are the minutes of the December 14 meeting as supplied by the secretary, Stan VE3-KRN

Meeting was called to order at 8:00 p.m. by the vice-president and acting chairman Bill VE3-EFC.

The meeting started off with the usual round table. Motion to accept minutes of the November 8 meeting as printed in HI-Q by Bob VE3-JAB and seconded by Arnold VE3-JAA. The financial statement was read by the secretary and a motion made to accept by John VE3-HTM, seconded by VE3-ZG.

Correspondence: A letter from the Salvation Army asking for some volunteers to man the 'Bubbles' on set dates throughout the Xmas Season. There were no volunteers.

Old Business: The FM Association with respect to the problems the repeater VE3-YQT is having. Phil VE3-AXL reported that one cause might be the weak battery. After charging the battery the problem was still present and further investigation will be needed.

HI-Q: A question by Bill VE3-XJ as to why the minutes are being published in HI-Q as opposed to being read at the general meetings. Bob VE3-JAB replied that this was a legal motion and is also an effective way to save time at the meetings. Also it should be a responsibility to active club members to read HI-Q and keep up to date on club activities that way.

The parabolic Dish: Bill VE3-XJ announced that the people at Confederation College are once again showing some interest in the monstrosity sitting in Bill QTH.

New Business: Christmas Messages. Les VE3-AYZ asked for some volunteers to handle some of the Xmas Messages on 80 and 40 meters. Bob VE3-IDJ and Bob VE3-JAB volunteered. Les also mentioned that the participation in this project on 2 meters has been very good so far.

Amateur Radio Promotion Booth. The topic of setting up a working Ham Radio display station was briefly discussed as to the antenna and possible noise interference situation. This topic will be more thoroughly and seriously discussed in the future.

The February Dinner Meeting: The chairman VE3-EFC, Bill, said that the date will be Saturday February 16 (2 days before Election) The remainder of the details will be worked out later.

Santa on 2 meters: Phil VE3-AXL mentioned that this is a project that has to get moving. Bill VE3-EFC will organize the event.

New Horizons Station: Bob VE3-JAB thanked those that helped in setting up the station and also those who attended the Grand Opening of the station. Bob also mentioned that arrangements for amateurs who would like to go and use that station can be made through Les VE3-AYZ or himself. Les suggested that a station schedule may be set up in the future.

.....more

DECEMBER MEETING

Hot Line: Arnold VE3-JAA made a presentation to Bob VE3-JAB, with respect to his activities as a busy phone-patcher. Bob can now proudly display a melted telephone-trophy with the rest of his ham gear.

The 1981 Summer Games: Mention was made that this topic should be thoroughly discussed in the very near future so we will know well ahead of time, what kind of club participation will be carried out.

Motion to adjourn by Vic VE3-ECV at 8:55 p.m.

The meeting was followed by a presentation about safety on behalf of St. John's Ambulance, represented by Arnold VE3-JAA.

LOST AND FOUND

Found....one pair of black leather gloves after the December 14 general meeting. Call Stan VE3-KRN.

XMAS MESSAGES

The senior citizen Christmas Messages project got off the ground once again this year. The past season was the fourth consecutive year that the L.A.R.C. inc, has organized such an event. Messages were sent from Dawson Court, Cumberland Hall, and Grandview Lodge. A total of 84 messages were handled from Dawson Court, 25 from Cumberland Hall. The messages not sent via two meters were handled by individual club members. These members are asked to bring information on the number of messages they sent and received, at the January meeting.

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THE COMMUNICATIONS ONTARIO NET

The Communication Ontario Net (COMSONT NET) was formed in March of 1979 under the direction of Roland Beardow, VE3-AML as net manager.

This net provides Amateur Net Radio communication within the Province of Ontario, when required by any Government Agency. It meets Monday, thursday and saturday at 10:00 a.m. EST @ 7.195.

Amateur stations from Northern Ontario are needed to join the net, particularly in the area from Nipigon and Thunder Bay to the Manitoba border. Volunteers please check in with VE3-AML
....from Les VE3-AYZ

Santa was good to a few hams in town....both Bill VE3-EFC and Ron VE3-KRJ got handi-talkies. Dennis VE3-JAQ got a Kim. And Gary VE3-HJS finally got committed, to a date that is. Seem like the single life will end September 8.

JANUARY HI - Q

VX

AWARD

" You fellows up there are doing a tremendous job, keep up the good work."

" The President of our club and I are planning a similar type of award just for the publicity, great idea "

" I'm really surprised that you could actually get so many hams from one club on the bands all at one time - it sure never happens here "

The above comments and many more of the same were made on the bands over the last couple of weeks while working the VX prefix from hams all across the country. L.A.R.C. and its members have put Thunder Bay on the map and I'm sure that many people will remember this award over most others.

The awards manager, Bob, JAY will hopefully be up to his armpits in award applications, and maybe in a few months we will hear from him with a summary of the award period..

A word of thanks should be offered to EVERYONE who participated by getting on the air and making contacts, to Pat, HFS and his " girl " for all of their typing on envelopes and the certificates, and of course to all the Hams who spent hours and sometimes months searching out the Thunder Bay stations.

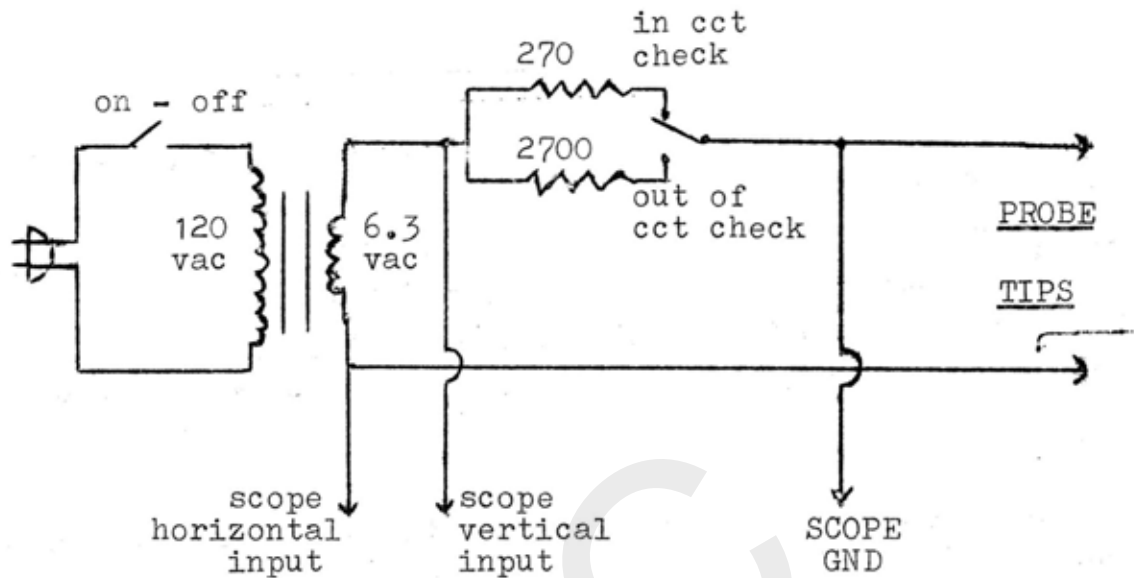
The last two hours on December 31, from 2200Z to 2359Z utc was the fastest two hours I've spent on the air for some time with stations clammering for that last contact to make # 5.

When is the next one Bob ? HI.

About 320 Scroll Awards had been issue at the end of 1979.

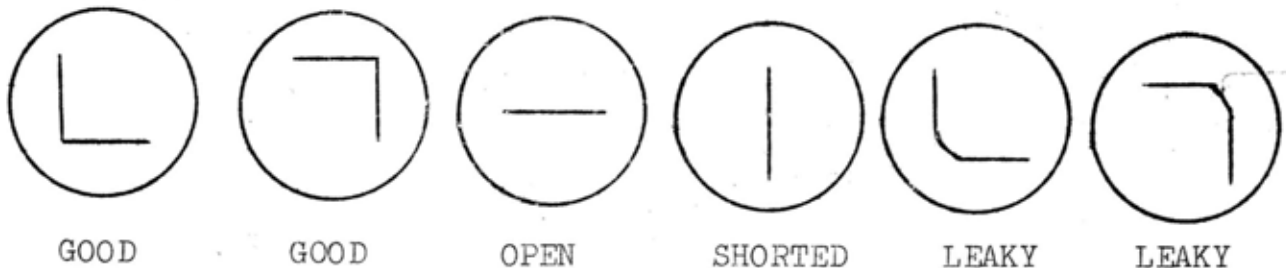
If you have any articles or information you would like included in HI -Q please give them to Mike HZW or Bob IDJ at least two weeks before the monthly club meeting. We can use your ideas etc.

Ron KRJ has a new Handi - talki and is having a great time, also with a handi - talki is Bill-EFc and along with KIM he is having fun getting KIM do do what he tells her (it) to do.



COMPONENT CURVE TRACER SCHEMATIC

The above schematic circuit may be used as an auxiliary aid to the use of a scope for troubleshooting circuit boards while in or out of the circuit. If used to compare two identical boards it provides a rapid and accurate means of locating the faulty component. Most devices such as transistors, diodes, capacitors etc can be checked in circuit, WITH CCT POWER OFF, A component which shows a sharp knee in the scope trace is usually good, one with a curve however small indicates a defect. Note the following diagrams for examples.



GOOD

GOOD

OPEN

SHORTED

LEAKY

LEAKY

The above patterns represent Transistors only. Other devices including capacitors will show a different pattern, so make up your own reference set. This method works best using comparison reading between identical components on identical circuit boards.

GOOK LUCK and let us know how it works.

10 - 10 NET WINTER QSO PARTY 1980

Starts: 0000Z (utc) Feb 2nd 1980

Ends: 0000Z (utc) Feb 3rd 1980

Open to all amateurs but only members are eligible for awards. All contacts must be on ten meters.

RULES:

1. EXCHANGE: Call, Name, City, State/Province, 10-10 number
2. All logs must be in UTC.
3. A station may be contacted only once.
4. You may work any 24 hours of the 48 hour period.

CLASSES OF OPERATION.

1. Single operator.
2. QRP (20 watts PEP output SSB, 10 watts output AM maximum).

SCORING:

Each contact 1 point.

One (1) additional point for each 10-10 member contacted.

AWARDS:

A first place certificate for each USA District and for each VE District.

LOGS:

Members only send logs to the contest manager to arrive no later than March 5, 1980.

All logs must be clear and legible and should include your Name, address, call, and 10-10 number.

* * * * *

Rumour has it that three local stations have placed first in Ontario in previous years - Tom EEW, Vic JAR, Bob IDJ.

See you on ten

During the hot and heavy going of working US stations during the last few weeks with the VX prefix one local admitted to the following " You're 59 plus OM but I missed your call, name and QTH" As soon as the statement was uttered he knew what he had done and was chastized by a number of fellows. Oh well it could have been worse. No names Please. HI

Bob idj



**LAKEHEAD AMATEUR
RADIO CLUB**
Box 2571
Thunder Bay 'P' Ont.



TO

Mr. Frank Start VE3AJ
R.R. #12, Government Road
THUNDER BAY, Ontario

LARC